

200

18858599.d MELFSRNVAAFWVILLFLLGSVAEEEVLMLNIRTESDLKWTTHRSKPEEEVSGLDEENNSVRTYQICQADGSSSHCVRSKLTERRGASQVYELFFTMECSSLRNRCKETFNLYYYQSDTDDATAATHPAWMENPYTKVDTVAADFLRLKGGEKKVNVTLLRGPLSKRGFYLAFAQGACMALLSVRFKKC  
lias\_TGFBR  
17541454.w

17564116.w

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

400

18858599.d PALTRSLSVFPTVPRSLVCEAVGQCVAANAAQGSPRPPKMFCCEDQWVDQPTTCTCLPGFEAHSGLECRACPVGLFKMGSGTCVCPENSQTGETGSACVCRSGFVRLASDADTPCTRPPSPSPSPVPVQNDTSLLEWESEPLDSGGRSDLYSVECRMCSPTGSPCTLCSDGVNYRPSQTGIGRGRVSIW  
lias\_TGFBR  
17541454.w  
17564116.w

410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590

600

18858599.d GLRPHTTYSFTVMAALNGVSASQGAGETINITTSPNPVLVSGLRKSTATESLLTLYWNTPTQSHYRILQYQIRYCEKERGSEENSCHYMSNNNEVVLSDLRRATQYQVQVRAIRFAGYGSFCALDFERFLPDEDSSSPLLVTGILIAMGMLLLIIVIIGAAIVCIPKONNYKDPPELSDKNGQYLMQGQVKVYIDPF  
lias\_TGFBR  
17541454.w MORGACKSKCEKFTGTSVGNSRVHNICKYCHGVRKKRKNLMRGERGTFLFRSCFKSGVALALEFLSVKVRAGQSDANIHYYVEDRAGEYILMQLELKEELVTRRESKAPFTLEELIGHQHIERLACKINGRGRKPSWLRHNS  
17564116.w ADKGGTKHRAEMVWVRYMAEAEVKMISTKEDDVYAFSULIEVEHKAYEFFGEYGRERVPEALGDEVRLQFEEILYFRCGNCQMYVYKFSTAEHLFKNIPLKIPVDSKAWQSLNPERPQIQMPEIIIFKHARFRNVVKYRAIFARSKENEDRRSIVASLOKMGKRSPEFAQLYNFPDG

610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790

800

18858599.d TYPDPNEAVREFAKEIDVSCVRIEEVIGAGEFGEVCRGRLRPPGKENYVAIKTLKGGYTDQQRDFLARASWNGQFQNTIHEEGIITASCPMILTEFMENGADSFRLNDGQFTPILVGMRLRGIAAGMKLSEMSYVHRDLBARNELVNSNLVCVSDPSLSRFLQENSADTYTSSLGKIPRJAPBAAFF  
lias\_TGFBR KWRGEEVAVKIDFSSREERSWFRKAELYQTVMIREHENILGFIAADNKDNGTWTOQWLWSDYHEHSDPDYLNRVTVIVECMIKLALSASGQHAIKMEIVGTCGKPATAHDRDKSKNBLVKKNGTCCCADLGLA-VRHDSATDIDIAFNHRVGTRKYMAPVIEDD  
17541454.w VYDPTGKLGSGNFQIVVRGMILRKQGKIDPVAEVSKNSDKESSAALMETERNLILAEARIIMNNYNNIINVRLYGVACDVPPPMVCMEOFSGOSLFDALKYKGKDMEFFERQILLIDAARGMRVLDHDKQVHRDLARNCLISFFDGVVIAFPLSKTEKCDQKAKFKEALKEAPPWIAAPCICR  
17564116.w QVNEQELINLLEDFLKVIVVAPPHGPTVT-TMSTPHTTMKTIMQNLTSSHQVATTTAATVTFPKTCESDTILVQSSQCYYALEGLDSSMSAMSITDPDVQEIINGYCSTFTDCYPEIEKCADDSYSIGTIPFCDFYQFVTTKFFLPCSLILEGTSTPCTDNATSSIILDNFNSTIPVCAKLIANS

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

18858599.d R-KFTCAASDPSYTGIVMKEVMSFGERPYDAGNQDVTNAEEDYRPPPPDCS-TYLNQIMDCWQKERTARPRFANIVSALKIIRNPASRKRITAQBGAGESHFLDQSPPLTPSSCGTVGDWLRAIKMERYEETFLQAGYPSQMLV-HINTEDLRLGITLAGHCKQESSIEAPGQKPNVLY  
lias\_TGFBR S-INMKHFESEKRS-ADLYAMG-LVFRIARRCSIGGIEDYDQLPYVDLVP-SDPSVPPDMRKVCEKLR-NINRWSCPAFRVMAKIDRECWYANGAARLTAFLRIKTLSQLS-QECIKM  
17541454.w ESEFSTKTDVWAFVVIFEVVNNAAEKLFAGEDEDIAHTRKIKCAN-MPTIENRT-KVPAAMQAVLSSIWTRKPDPRPEMQKVLERLVAALVPIQEDDLKLRLQINSLKGVERTQMPNVDLEMDSVNNEEVDQDGSEKNRKVKGGSKGKGTGN-RINRSGKTPQEEESPKSKCQVPLRNIVRKGPAGATSE  
17564116.w CSVKEVESCNVRCQTQSYQFLNRIQTMNIVKIVANFTSATKSFPSTYKTPNKFKKSTENSKITTAYQFSFTCSAKTQAPEKCLNAFDQIAFKNSTSLQNPKKIERNMNGYCSTIEANFPVLRKCMDYDAKSVKLLSFCSFQFFASKFWRCALKMKDQYGKCFKQCMETVLDVNVLKDVEK